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**MAR 13 2005**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Applicant: Chang	)	Art Unit: 2651
	)	
Serial No.: 10/626,296	)	Examiner: Tzeng
	)	
Filed: July 24, 2003	)	<b>HSJ920030116US1</b>
	)	
For: METHOD AND APPARATUS FOR DETERMINING	)	March 13, 2005
MODULATED, AMPLITUDE RAMPING RRO	)	750 B STREET, Suite 3120
HARMONIC IN MULTI-SCREW CLAMPED HDD	)	San Diego, CA 92101
DISK/SPINDLE ASSEMBLY	)	

**RESPONSE TO OFFICE ACTION**

Commissioner of Patents and Trademarks  
Washington, DC 20231

Dear Sir:

The indicated allowability of Claims 3, 4, 7, 8, 11, 12, 14, and 15 in the Office Action dated March 8, 2005 is gratefully acknowledged. Claims 1, 2, 5, 6, 9, 1, and 13 have been rejected under 35 U.S.C. §102(e) as being anticipated by Hobson et al., USPN 6,456,452, relying on col. 3, lines 60-67 as a teaching of "representing algorithmically determined RRO error harmonics based on a number of fasteners used to the hold the disk", as set forth in independent Claim 6 and loosely paraphrasing the other independent claims.

The relied-upon section of Hobson et al. teaches, in its entirety:

"A plurality of disks 16 are mounted for rotation on a spindle motor hub 14 using a disk clamp (not designated). In this example, the disc clamp is secured using screws (also not designated) equally spaced about the perimeter of the disc clamp. An array of heads (one shown at 30) is mounted via flexure assemblies 26 to an actuator body which is adapted for pivotal motion about a pivot shaft 24 under control of an actuator motor, shown generally at 20."

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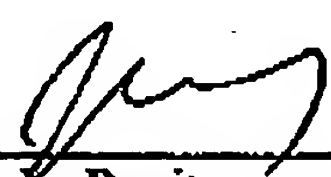
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Accordingly, as the above makes plain, apart from simply teaching that a disc clamp is used to hold discs and that the clamp is held by fasteners, nothing in the relied-upon section of Hobson et al. ever teaches or suggests anything about tying the fasteners to RRO considerations, much less determining RRO error harmonics based on a number of fasteners used to hold the disk as set forth in, e.g., Claim 6. Furthermore, Hobson et al. nowhere else mentions the words "screws" or "fasteners", much less in relation to anything tied to RRO, much less still in relation to the particular combination recited in the claims. Indeed, the method of Hobson et al. for repeatedly updating error estimates appears to have nothing at all to do with screws or fasteners. Accordingly, the claims are patentable over Hobson et al.

The Examiner is cordially invited to telephone the undersigned at (619) 338-8075 for any reason which would advance the instant application to allowance.

Respectfully submitted,

  
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